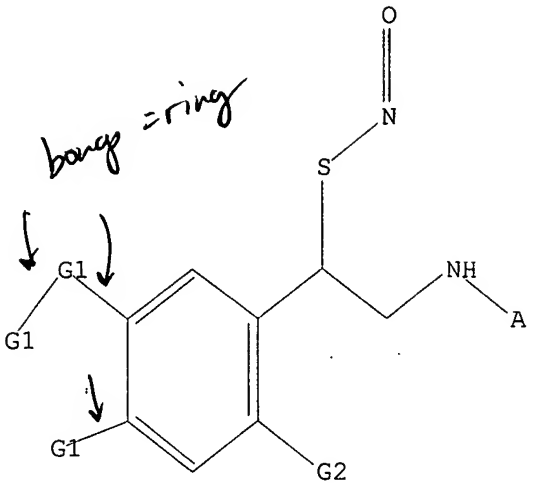
=> d
L1 HAS NO ANSWERS
L1 STR



bonds = ring

G1 C,O,N
G2 H,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 16:39:00 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

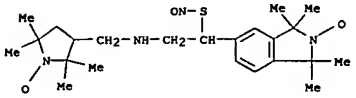
100.0% PROCESSED 2 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2 TO 124
PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> d scan

L2 1 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN 2H-Isoindol-2-yloxy,
1,3-dihydro-1,1,3,3-tetramethyl-5-[1-(nitrosothio)-2-
[[(2,2,5,5-tetramethyl-1-oxy-3-pyrrolidinyl)methyl]amino]ethyl]- (9CI)
MF C23 H36 N4 O3 S
CI COM



ALL ANSWERS HAVE BEEN SCANNED

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FULL SEARCH INITIATED 16:39:24 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -          16 TO ITERATE

100.0% PROCESSED       16 ITERATIONS                          4 ANSWERS
SEARCH TIME: 00.00.01

L3             4 SEA SSS FUL L1

=> fil caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   172.10     172.31

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=> s l3
L4             1 L3

=> d ibib abs hitstr
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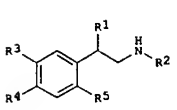
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:855797 CAPLUS
DOCUMENT NUMBER: 139:350628
TITLE: Preparation of pyrrolidine derivatives having nitric oxide donor groups or reactive oxygen species scavenger groups for treatment of respiratory disorders
INVENTOR(S): Haj-Yehia, Abdullah Ibrahim
PATENT ASSIGNEE(S): Yissum Research Development Company of the Hebrew University of Jerusalem, Israel
SOURCE: PCT Int. Appl., 105 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

Instant App.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003088961	A1	20031030	WO 2003-IL312	20030415
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003226603	A1	20031103	AU 2003-226603	20030415
EP 1503754	A1	20050209	EP 2003-746878	20030415
EP 1503754	B1	20051123		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005533013	T	20051104	JP 2003-585713	20030415
AT 310514	T	20051215	AT 2003-746878	20030415
US 2005228184	A1	20051013	US 2005-512024	20050509
PRIORITY APPLN. INFO.:			US 2002-374173P	P 20020419
			WO 2003-IL312	W 20030415

OTHER SOURCE(S): MARPAT 139:350628
GI



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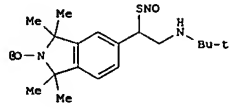
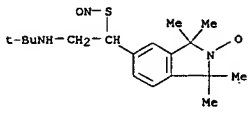


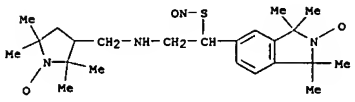
II

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

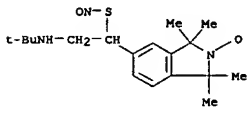


● HCl

RN 618438-59-8 CAPLUS
CN 2H-Isoindol-2-yloxy, 1,3-dihydro-1,1,3,3-tetramethyl-5-[1-(nitrosothio)-2-[[(2,2,5,5-tetramethyl-1-oxy-3-pyrrolidinyl)methyl]amino]ethyl]- (9CI) (CA INDEX NAME)

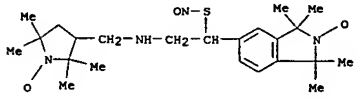


RN 618438-60-1 CAPLUS
CN 2H-Isoindol-2-yloxy, 5-[2-[(1,1-dimethylethyl)amino]-1-(nitrosothio)ethyl]-1,3-dihydro-1,1,3,3-tetramethyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
AB The title compds. I [wherein R1 = OH, ONO, ONO2, SNO, or NONO; R2 = reactive oxygen species (ROS) scavenger group or NO donor group, etc.; R3 and R4 = independently OH, CH2OH, NH2, or NHCHO; or R3 and R4 together form a substituted heterocycle or a protecting group; R5 = H, OH, CH2OH, NH2, NHCHO, alkyl, or alkoxy; etc.] and salts, solvates, or optical isomers thereof are prepared as β-agonists for the treatment of respiratory diseases involving airway obstruction, such as asthma or chronic bronchitis. For example, the compound II•HCl was prepared in a multi-step synthesis. II showed a more relaxation effect than salbutamol in guinea pig.
IT 618438-41-8P 618438-42-9P 618438-59-8P
618438-60-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of pyrrolidine derivs. having nitric oxide donor groups or reactive oxygen species scavenger groups for treatment of respiratory disorders)
RN 618438-41-8 CAPLUS
CN 2H-Isoindol-2-yloxy, 1,3-dihydro-1,1,3,3-tetramethyl-5-[1-(nitrosothio)-2-[[(2,2,5,5-tetramethyl-1-oxy-3-pyrrolidinyl)methyl]amino]ethyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 618438-42-9 CAPLUS
CN 2H-Isoindol-2-yloxy, 5-[2-[(1,1-dimethylethyl)amino]-1-(nitrosothio)ethyl]-1,3-dihydro-1,1,3,3-tetramethyl-, monohydrochloride (9CI) (CA INDEX NAME)

548/467 C07D 209/44
548/470 "
514/414 A61K31/4035
514/416 A61K31/"